

IN THE SPECIFICATION

Please replace the paragraphs at page 68, lines 26-34 with the following amended paragraphs:

Scaffold like CCPN's type A's: 3'-GCGCNNNNNGGCG-5' (SEQ ID NO:1)

One specific scaffold e.g. the one illustrated above could e.g. have the specific sequence: 3'-GCGCATTAGGCG-5'. (SEQ ID NO:2)

Another scaffold type A, demanding the same chemistries but having another skeleton could have the specific sequence: 3'-GCGCTTAAGGCG-5' (SEQ ID NO:3) etc.

Scaffold like CCPN's type B's: 3'-AATTNNNNNTAAT-5' (SEQ ID NO:4)

Please replace the paragraphs at page 69, lines 1-23 with the following amended paragraphs:

One specific scaffold e.g. the one illustrated above could e.g. have the specific sequence: 3'-AATTGCCGTAAT-5' (SEQ ID NO:5)

Another scaffold type A, demanding the same chemistries but having another skeleton could have the specific sequence: 3'-AATTCGGGTAAT-5' (SEQ ID NO:6) etc.

Suzuki type CCPN's: 3'-TTTTTGAGANNNAAGGTTTTT-5' (SEQ ID NO:7)

One specific Suzuki type CCPN e.g. C1 illustrated above could e.g. have the specific sequence: 3'-

TTTTTGAGATTCCAAGGTTTTT-5' (SEQ ID NO:8). Another Suzuki type CCPN could e.g. have the sequence 3'-TTTTTGAGACTTCAAGGTTTTT-5' (SEQ ID NO:9).

Acylation type CCPN's: 3'-GTTGNNNNTTGG-5' (SEQ ID NO:10)

Alkylation type CCPN's: 3'-AACCNNNNACCA-5' (SEQ ID NO:11)

HWE/Wittig type CCPN's: 3'-TTCCNNNNCTCT-5' (SEQ ID NO:12)

CPN type 1a sequences: 3'-NNNNTCTCAAAAACGCCNNNNGCGC-5' (SEQ ID NO:13)

One specific type of these would be 3'-GGAATCTCAAAAACGCCTAATGCGC-5' (SEQ ID NO:14) this CPN would allow the hybridization of CCPN type A and CCPN type C1.

Another specific sequence would allow the hybridization of e.g. C2 instead of C1 but not C3-C7 etc.

Please replace the paragraphs at page 69, lines 29-31 with the following amended paragraphs:

CPN type 2a sequences: 3'-TGGTNNNNGGTTCCAANNNNCAACAAAAACCTT-5' (SEQ ID NO:15)

CPN type 2b sequences: 3'-CCAANNNNCAACAAAAACCTT-5' (SEQ ID NO:16)

Please replace the paragraphs at page 72, lines 6-12 with the following amended paragraphs:

CCPN1: 3'-GT-**GG**TITITI-5' (SEQ ID NO:17)

CCPN2: 3'-TG-**GG**TITITI-5' (SEQ ID NO:18)

CCPN3: 3'-**GT**ITTITI-TTTT-**GG**TITITI-5' (SEQ ID NO:19)

CCPN4: 3'-**GT**TTTITI-GGGG-**GG**TITITI-5' (SEQ ID NO:20)

CCPN5: 3'-**GT**TTTITI-GTGT-**GG**TITITI-5' (SEQ ID NO:21)

CCPN6: 3'-**GT**TTTITI-TG-5' (SEQ ID NO:22)

CCPN7: 3'-**GT**TTTITI-TT-5' (SEQ ID NO:23)

Please replace the paragraph at page 72, line 23 with the following amended paragraph:

CPN1: 3'-NN-CACAAC**AC**-CACAC**ACC**-NN-5' (SEQ ID NO:24)

Please replace the paragraphs at page 73, lines 11-12 with the following amended paragraphs:

Terminator1: 3'-CACAC**ACC**-NN-5' (SEQ ID NO:25)

Terminator2: 3'-**GT**TTTITI-NN-5' (SEQ ID NO:26)

Please replace the paragraphs at page 74, lines 3-15 with the following amended paragraphs:

CPN1: 5'-pGCNNNNNACGCGANNNTACGTANNNTGTCACNNNTTCGTCA
NNNNNGC-3' (SEQ ID NO:27)

CPN2: 5'-pGCNNNNNTCATCTNNNGCGTACNNNNNGC-3' (SEQ ID
NO:28)

CCPN1: 5'-GCCTATGTGACGAATCTGTG-XXXXX-GATTC-Y-3'
(SEQ ID NO:29 before XXXXX, SEQ ID NO:30 after; X is PEG-
linker)

CCPN2: 5'-Z-GAATC-XXXXX-ATGCGTACCGCGATTCATGCp-3'
(SEQ ID NO:31 before XXXXX, SEQ ID NO:32 after)

CCPN3: 5'-Z-GAATC-XXXXX-CGCTGCAAGATGAATTCTGCp-3'
(SEQ ID NO:33 before XXXXX, SEQ ID NO:34 after)

Linker polynucleotides for CPN amplification:

LP1: 5'-GATTCCTAGGATGCATATTACA (SEQ ID NO:35)

LP2: 3'-CTAAGGATCCTACGTATAATGTCTG (SEQ ID NO:36)

LP3: 3'-GTCAATGCTGATGACGTP (SEQ ID NO:37)

LP4: 5'-CAGTTACGACTACTGCAGC (SEQ ID NO:38)

Please delete the paragraph at page 74, line 18 and insert in its place the following new paragraph:

AP1: 5'-B-T_{in}T_{in}GATTCCTAGGATGCATATTACAGC-3' (SEQ ID NO:39)

Please replace the paragraph at page 74, line 20 with the following amended paragraph:

AP2: 5'-CAGTTACGACTACTGCAGC-3' (SEQ ID NO:40)

Please replace the paragraph at page 74, line 28 with the following amended paragraph:

SP: 5'-GATTCCTAGGATGCATATTAC (SEQ ID NO:41)

Please delete the paragraphs at page 81, lines 21-35 and insert in their place the following new paragraphs:

AH140: 5'-

AGCTGGATGCTCGACAGGTCAGGTCGATCCGCGTTACCAGTCTTGCCTGAACGTAGT
CGTCCGATGCAATCCAGAGGTCG (SEQ ID NO:42)

AH 154: 5'-

AGCTGGATGCTCGACAGGTCAAGTAACAGGTCGATCCGCGTTACCAGTCTTGCCTGA
ACGTAGTCGTCCGATGCAATCCAGAGGTCG (SEQ ID NO:43)

AH 155: 5'-

CTGGTAACGCGGATCGACCTGTTACX (SEQ ID NO:44)

AH 202: 5'-TCTGGATTGCATCGGGTTACX (SEQ ID NO:45)

AH 251: 5'- ZGACCTGTCGAGCATCCAGCTPB (SEQ ID NO:46)

AH 270: 5'- 6GTAACGACCTGTCGAGCATCCAGCT (SEQ ID NO:47)

AH 272: 5'-ACGACTACGTTTCAGGCAAGAGTTACX (SEQ ID NO:48)

AH 284: 5'-

AGCTGGATGCTCGACAGGTCAAGTAACAGGTCGATCCGCGTTATATCGTTTACGGCA
TTACCGCCCATAGCTTGCGGCTTGC (SEQ ID NO:49)

Please replace the paragraphs at page 82, lines 2-33 with the following amended paragraphs:

AH 292: 5' -

GGCATGGTCCATCGACTGCAATATGCAAGCCGCAAGCTATGGGC (SEQ ID NO:50)

AH 293: 5' -

GGCATGGTCCATCGACTGCAATATCGTATAGCAAGCCGCAAGCTATGGGC (SEQ ID NO:51)

AH 294: 5' -

GGCATGGTCCATCGACTGCAATATCGTTTACGGCATTACCGCAAGCCGCAAGCTATGGGC (SEQ ID NO:52)

AH 295: 5' -

GGCATGGTCCATCGACTGCAATATCGTTTACGGCATTACCATATCGTTTACGGCATTACCGCAAGCCGCAAGCTATGGGC (SEQ ID NO:53)

AH 296: 5' -

GGCATGGTCCATCGACTGCAATATCGTTTACGGCATTACCATATCGTTTACGGCATTACCATATCGTTTACGGCATTACCGCAAGCCGCAAGCTATGGGC (SEQ ID NO:54)

AH 298: 5' -

GGCATGGTCCATCGACTGCAGCAAGCCGCAAGCTATGGGC (SEQ ID NO:55)

AH 325: 5' -CTTATACCTTGTTGTAGCCG

TCTTGCCTGAACGTAGTCGTCCGATGCAATCCAGAGGTCG (SEQ ID NO:56)

AH 326: 5' -CTTATACCTTGTTGTAGCCG

TCTTGCCTGAACGTAGTCGTTTCCGATGCAATCCAGAGGTCG (SEQ ID NO:57)

AH 327: 5' -CTTATACCTTGTTGTAGCCG

TCTTGCCTGAACGTAGTCGTACTTCCGATGCAATCCAGAGGTCG (SEQ ID NO:58)

AH 328: 5' -CTTATACCTTGTTGTAGCCG

TCTTGCCTGAACGTAGTCGTTGACTTCCGATGCAATCCAGAGGTCG (SEQ ID NO:59)

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AH 329: 5' -

CTTATACCTTGTTGTAGCCGTCTTGCCTGAACGTAGTCGTGGTGAAGTTCCGATGCAA
TCCAGAGGTCG (SEQ ID NO:60)

AH330: 5' -

CGGCTACAACAAGGTATAAGAAAAACATCGTAGGATTCTTTCCTACGATGGCAAGCC
GCAAGCTATGGGC (SEQ ID NO:61)

AH332: 5' -

CGGCTACAACAAGGTATAAGAAAAACAGGATTCTTTCCTGGCAAGCCGCAAGCTATG
GGC (SEQ ID NO:62)

*Please delete the paragraphs at page 83, lines 1-35
and insert in their place the following new paragraphs:*

AH 351: 5' -

CTTATACCTTGTTGTAGCCGTCTTGCCTGAACGTAGTCGTGGTGAAGTTGGCCGATGC
AATCCAGAGGTCG (SEQ ID NO:63)

AH 352: 5' -

CTTATACCTTGTTGTAGCCGTCTTGCCTGAACGTAGTCGTGGTGAAGTTGGTGCCGAT
GCAATCCAGAGGTCG (SEQ ID NO:64)

AH 353: 5' -

CTTATACCTTGTTGTAGCCGTCTTGCCTGAACGTAGTCGTGGTGAAGTTGGTGACCCG
ATGCAATCCAGAGGTCG (SEQ ID NO:65)

AH 354: 5' -

CTTATACCTTGTTGTAGCCGTCTTGCCTGAACGTAGTCGTGGTGAAGTTGGTGACTTC
CGATGCAATCCAGAGGTCG (SEQ ID NO:66)

AH 355: 5' -

CTTATACCTTGTTGTAGCCGTCTTGCCTGAACGTAGTCGTGGTGAAGTTGGTGACTTG
GCCGATGCAATCCAGAGGTCG (SEQ ID NO:67)

AH 378: 5' -TGCAGTCGATGGACCATGCCAGCTGGATGCTCGACAGGTC

AACCGATGCAATCCAGAGGTCG (SEQ ID NO:68)

AH 379: 5' -TGCAGTCGATGGACCATGCCAGCTGGATGCTCGACAGGTC

AATCAGGCTGCCGATGCAATCCAGAGGTCG (SEQ ID NO:69)

AH 380: 5' -CGGTTGAGGTACAGGTCGATCCGCGTTACCAG

TCTTGCCTGAACGTAGTCGTGCCCATAGCTTGCGGCTTGC (SEQ ID NO:70)

AH 381: 5' - 69GTAACGTACCTCAACCGGACCTGTCGAGCATCCAGCT
(SEQ ID NO:71)

AH 382: 5' -GGTACAGGTCGATCCGCGTTACCAG
TCTTGCCCTGAACGTAGTCGTGCCCATAGCTTGCGGCTTGC (SEQ ID NO:72)

AH 383: 5' -GGTACAGGTCGATCCGCGTTACCAG
GGTACTCTTGCCCTGAACGTAGTCGTGCCCATAGCTTGCGGCTTGC (SEQ ID
NO:73)

AH 386: 5' -
GTTGAGGTACAGGTCGATCCGCGTTACCAGTCTTGCCCTGAACGTAGTCGTGCCCATA
GCTTGCGGCTTGC (SEQ ID NO:74)

AH 387: 5' -
TGAGGTACAGGTCGATCCGCGTTACCAGTCTTGCCCTGAACGTAGTCGTGCCCATAGC
TTGCGGCTTGC (SEQ ID NO:75)

AH 388: 5' -
AGGTACAGGTCGATCCGCGTTACCAGTCTTGCCCTGAACGTAGTCGTGCCCATAGCTT
GCGGCTTGC (SEQ ID NO:76)

*Please delete the paragraphs at page 84, lines 1-3
and insert in their place the following new paragraphs:*

AH 392: 5' -CGACCTCTGGATTGCATCGGGTTACZ (SEQ ID NO:77)

AH 393: 5' -ACGACTACGTTTCAGGCAAGAGTTACZ (SEQ ID NO:78)

AH 394: 5' -CTGGTAACGCGGATCGACCTGTTACZ (SEQ ID NO:79)

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IN THE SEQUENCE LISTING

Please enter the attached Sequence Listing numbered
as pages 1-35 (sequences 1-79).